

| L Number | Hits | Search Text   | DB  | Time stamp       |
|----------|------|---|---|------------------|
| 1        | 191  | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1)) not (385/140.ccls. and (phase near6 (chang\$3 or alter\$3)))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 14:13 |
| 2        | 67   | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1)) not (385/140.ccls. and (phase near6 (chang\$3 or alter\$3))) and (optic\$2 near3 axis)                 | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 12:13 |
| 3        | 17   | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1)) not (385/140.ccls. and (phase near6 (chang\$3 or alter\$3))) and (optic\$2 near3 axis) and attenuat\$3 | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 12:18 |
| 16       | 234  | (attenuat\$3 or modulat\$3) and (fundamental same higher same single near1 mode\$1)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 12:20 |
| 17       | 157  | (attenuat\$3 or modulat\$3) and (fundamental same higher same single near1 mode\$1) and phase   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 12:46 |
| 22       | 100  | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1)) not (385/140.ccls. and (phase near6 (chang\$3 or alter\$3))) and pixel\$4                              | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 14:26 |
| 23       | 298  | (modulat\$3 or attenuat\$3) and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3)) and (liquid near3 crystal\$1) and pixel and (halfwave or (half near1 wave))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 14:15 |
| 27       | 142  | ((modulat\$3 or attenuat\$3) and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3)) and (liquid near3 crystal\$1) and pixel\$1 and (halfwave or (half near1 wave))) and (fiber\$1 or fibre\$1)                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 14:16 |
| 37       | 116  | polarization with insensitive with modulator\$1   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 14:45 |
| 38       | 68   | (polarization with insensitive with modulator\$1) and reflect\$3  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 14:50 |
| 44       | 52   | (attenuator\$3 or modulator\$3) and (liquid near1 crystals same (halfwave or (half near1 wave)))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 15:15 |
| 45       | 20   | (attenuator\$3 or modulator\$3) and (liquid near1 crystals same (halfwave or (half near1 wave)) near1 plate)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 15:47 |
| 48       | 2    | 5907645.pn. and (halfwave or quarterwave or (quarter near1 wave) or (half near1 wave))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 16:26 |

|   |      |   |   |                  |
|---|------|---|---|------------------|
| - | 202  | attenuator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:42 |
| - | 7    | ((attenuator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3))) and (liquid near3 crystal\$1))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:41 |
| - | 556  | attenuator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:50 |
| - | 37   | ((attenuator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (fiber\$1 or fibre\$1))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:54 |
| - | 6    | ("6175667"   "6181846"   "6185347"   "6195479"   "6198567"   "6215923").PN.   | USPAT   | 2004/05/07 10:49 |
| - | 3415 | modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:51 |
| - | 191  | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:54 |
| - | 191  | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1)) not ((attenuator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (fiber\$1 or fibre\$1)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:54 |
| - | 191  | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1)) not (385/140.ccls. and (phase near6 (chang\$3 or alter\$3)))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 12:11 |
| - | 52   | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1)) not (385/140.ccls. and (phase near6 (chang\$3 or alter\$3))) and (fiber\$1 or fibre\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 11:06 |
| - | 2    | 6175667.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 11:06 |

|    |     |   |   |                  |
|----|-----|---|---|------------------|
| 49 | 923 | (attenuator\$1 or modulator\$1) and (halfwave or quarterwave or (quarter near1 wave) or (half near1 wave)) and phase and (liquid near1 crystal\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 15:55 |
| 50 | 842 | ((attenuator\$1 or modulator\$1) and (halfwave or quarterwave or (quarter near1 wave) or (half near1 wave)) and phase and (liquid near1 crystal\$1)) and (polariz\$5)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 15:56 |
| 51 | 518 | ((attenuator\$1 or modulator\$1) and (halfwave or quarterwave or (quarter near1 wave) or (half near1 wave)) and phase and (liquid near1 crystal\$1)) and (polariz\$5)) and (fiber\$1 or fibre\$1 or waveguide\$1)                               | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 15:56 |
| 52 | 493 | ((attenuator\$1 or modulator\$1) and (halfwave or quarterwave or (quarter near1 wave) or (half near1 wave)) and phase and (liquid near1 crystal\$1)) and (polariz\$5)) and (fiber\$1 or fibre\$1 or waveguide\$1)) and reflect\$4               | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 15:56 |
| 53 | 538 | (attenuator\$1 or modulator\$1) and ((halfwave or quarterwave or (quarter near1 wave) or (half near1 wave)) near1 plate) and phase and (liquid near1 crystal\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 18:09 |
| 54 | 517 | ((attenuator\$1 or modulator\$1) and ((halfwave or quarterwave or (quarter near1 wave) or (half near1 wave)) near1 plate) and phase and (liquid near1 crystal\$1)) and (polariz\$5)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 15:56 |
| 55 | 283 | ((attenuator\$1 or modulator\$1) and ((halfwave or quarterwave or (quarter near1 wave) or (half near1 wave)) near1 plate) and phase and (liquid near1 crystal\$1)) and (polariz\$5)) and (fiber\$1 or fibre\$1 or waveguide\$1)                 | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 15:56 |
| 56 | 270 | ((attenuator\$1 or modulator\$1) and ((halfwave or quarterwave or (quarter near1 wave) or (half near1 wave)) near1 plate) and phase and (liquid near1 crystal\$1)) and (polariz\$5)) and (fiber\$1 or fibre\$1 or waveguide\$1)) and reflect\$4 | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 15:56 |
| 57 | 82  | (attenuator\$1 or modulator\$1) and (((halfwave or quarterwave or (quarter near1 wave) or (half near1 wave)) near1 plate) same (liquid near1 crystal\$1)) same phase  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 16:26 |
| 58 | 4   | 6560396.pn. or "20030026583"  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 16:26 |
| 59 | 1   | (6560396.pn. or "20030026583") and (halfwave or quarterwave or (quarter near1 wave) or (half near1 wave))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 17:15 |
| 61 | 112 | liquid near1 crystals near10 half   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 17:15 |
| 62 | 30  | liquid near1 crystals near10 half near4 plate   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 18:02 |

|    |      |   |   |                  |
|----|------|---|---|------------------|
| 64 | 2820 | 385/31,39,40.ccls.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 18:09 |
| 65 | 12   | 385/31,39,40.ccls. and (attenuator\$1 or modulator\$1) and ((halfwave or quarterwave or (quarter near1 wave) or (half near1 wave)) near1 plate) and phase and (liquid near1 crystal\$1)                             | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 18:10 |
| 66 | 1058 | 349/73,74,76,77,101,104.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 18:10 |
| 67 | 17   | 349/73,74,76,77,101,104.ccls. and (attenuator\$1 or modulator\$1) and ((halfwave or quarterwave or (quarter near1 wave) or (half near1 wave)) near1 plate) and phase and (liquid near1 crystal\$1)                  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 18:10 |
| -  | 7    | (385/140.ccls. and (phase near6 (chang\$3 or alter\$3))) and (liquid near3 crystal\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:40 |
| -  | 627  | attenuator\$1 same (phase near6 (chang\$3 or alter\$3))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:40 |
| -  | 7    | ((385/140.ccls. and (phase near6 (chang\$3 or alter\$3))) and (liquid near3 crystal\$1)) and (liquid near3 crystal\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:51 |
| -  | 0    | ((385/140.ccls. and (phase near6 (chang\$3 or alter\$3))) and (liquid near3 crystal\$1)) and (liquid near3 crystal\$1) not ((385/140.ccls. and (phase near6 (chang\$3 or alter\$3))) and (liquid near3 crystal\$1)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:40 |
| -  | 202  | attenuator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:42 |
| -  | 7    | (attenuator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3))) and (liquid near3 crystal\$1)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:41 |
| -  | 556  | attenuator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:50 |
| -  | 37   | (attenuator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (fiber\$1 or fibre\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:54 |
| -  | 6    | ("6175667"   "6181846"   "6185347"   "6195479"   "6198567"   "6215923").PN.   | USPAT   | 2004/05/07 10:49 |
| -  | 3415 | modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:51 |

|   |     |   |   |                  |
|---|-----|---|---|------------------|
| - | 191 | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:54 |
| - | 191 | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1)) not ((attenuator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (fiber\$1 or fibre\$1)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 10:54 |
| - | 191 | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1)) not (385/140.ccls. and (phase near6 (chang\$3 or alter\$3)))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 12:11 |
| - | 52  | ((modulator\$1.ti. and (phase near6 (chang\$3 or alter\$3 or switch\$3 or modif\$3 or shift\$3))) and (liquid near3 crystal\$1)) not (385/140.ccls. and (phase near6 (chang\$3 or alter\$3))) and (fiber\$1 or fibre\$1)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 11:06 |
| - | 2   | 6175667.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/07 11:06 |